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P a t e n t C l a i m s

- 5 1. Roof box arrangement (1; 101) for mounting on a
vehicle (26), preferably a passenger car, which roof box
arrangement (1; 101) has a container comprising an under part
(2; 102) and an upper part (3; 103), in conjunction with
10 which the roof box arrangement (1; 101) has at least one open
position for loading and unloading and one closed position
for the storage of objects, *characterized in that* the roof
box arrangement (1; 101) comprises a hoisting device (4; 104)
capable of being positioned internally within the container,
which device is mounted in such a way as to be capable of
15 being caused to pivot to either side relative to the
container, and in that the hoisting device (4; 104) comprises
a holder (6; 106) intended for engagement with an object,
which holder (6; 106), when the roof box arrangement (1; 101)
is in the open position and the hoisting arrangement (4; 104)
20 is in an outwardly-pivoted position, is capable of being
lowered and raised, in conjunction with which lowering and
hoisting of the object to either side of the roof box
arrangement (1; 101) is permitted.
- 25 2. Roof box arrangement (1) in accordance with Patent
Claim 1, in which the object is capable of being loaded into
and unloaded from the roof box arrangement (1) by means of
the hoisting device moving the object in and out over the
under part (2) of the container.
- 30 3. Roof box arrangement (1) in accordance with one or
other of Patent Claims 1-2, in which roof box arrangement (1)
the hoisting device (4) is capable of being caused to pivot
between 0 and 135 degrees to both sides from a starting

position arranged essentially half-way between the longitudinal sides of the roof box arrangement (1).

4. Roof box arrangement (1) in accordance with one or
5 other of Patent Claims 1-3, in which the hoisting arrangement comprises a drawing device (8) capable of being fed from a feed roller (9), to which drawing device the holder (6) is connected for the purpose of controlling raising and lowering.

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5. Roof box arrangement (1) in accordance with one or other of Patent Claims 1-4, which roof box arrangement (1) is so arranged as to accommodate a collapsible wheel chair (15).

15 6. Roof box arrangement (1) in accordance with one or other of Patent Claims 1-5, in which a hoisting device attachment (11) is mounted on a support device (12), which support device (12) permits mounting in the longitudinal extent of the roof box arrangement (1) at an appropriate
20 point, having regard for the position of the doors (27) of the vehicle (26) concerned.

7. Roof box arrangement (1) in accordance with one or other of Patent Claims 1-6, in which the upper part (3) of
25 the container is capable of being opened and closed by activation of a Crab actuator (16).

8. Roof box arrangement (101) in accordance with Patent Claim 1, *characterized in that* the hoisting device
30 (104) is formed by two pivotally attached arms (151, 152), which are capable of actuation by means of an actuator (150) for the purpose of causing them to pivot as a common arm (104).

9. Roof box arrangement in accordance with Patent Claim 8, *characterized in that* the arm (152) comprises a lock (160) which restricts pivoting of the arm.

5 10. Roof box arrangement in accordance with one or other of Patent Claims 8-9, *characterized in that* a supporting frame (105) is pivotally attached to the aforementioned arm (104) via an articulation (159).

10 11. Load system for a collapsible wheel chair (15; 115) comprising a roof box arrangement (1; 101) in accordance with one or other of the preceding Patent Claims.

12. Load system (1) in accordance with Patent Claim 11,
15 in which the hoisting device (4) comprises a support (5) with variable positions, against which support (5) the collapsible wheel chair (15) makes contact, at least for that part of the hoisting operation during which the position of the collapsed wheel chair (15) deviates from an essentially vertical
20 position in conjunction with loading and unloading.

13. Load system in accordance with Patent Claims 11-12, which load system is connected to a control system in order to permit regulation of one or other of the following
25 functions of the roof box arrangement (1) from a control panel (25):

- opening and closing of the roof box arrangement (1),
- pivoting of the hoisting device (4) to the left or the right when the roof box is open,
- 30 • raising and lowering of the collapsed wheel chair (15) when the wheel chair (15) is in engagement with the holder (6).